

High Speed / High Pressure

Autoclave / Sterilizer



High Speed / High Pressure Cylindrical Model

Horizontal Cylindrical Autoclave

Chamber Size In M.M.	Capacity In Litres	KW
300 Dia. X 500 Depth	50	9 KW
400 Dia. X 600 Depth	76	9 KW
400 Dia. X 900 Depth	110	9 KW
400 Dia. X 1200 Depth	150	9 KW
500 Dia. X 900 Depth	175	9 KW
500 Dia. X 1200 Depth	230	12 KW
600 Dia. X 900 Depth	275	12 KW
600 Dia. X 1200 Depth	340	12 KW
750 Dia. X 1200 Depth	460	18 KW

TYPICAL FEATURES

The Sterilizers designed for a standard working pressure of 1.2 kg/cm i.e., 121°C or an optional High Speed (flash) working pressure of 2.1 kg/cm i.e., 134°C which substantially reduces cycle time.

Our high efficiency Steam Sterilizers are designed for maximum thermodynamic efficiency and robust in construction Built with an inner chamber of AISI 304/316 grade stainless steel, jacket of AISI 304 grade stainless steel, door of AISI 304 grade stainless steel, the strong argon arc welded chamber and jacket ensure a leak proof construction. Mounted on a corrosion resistant stand further ensures greater durability.

Working on the principle of downward displacement of air, the sterilizer assure you that only a minimal quantity of water and steam are required for optimum sterilization. A steam trap is provided for effective, economical removal of air and condensate from the chamber. This help to achieve sterilization temperature quicker. The option of a steam generator feed water pump assists uninterrupted operation.

A powerful ejector fitted in the multi-port operating valve circulate air in the chamber for vacuum drying. With minimum heat loss the sterilizer enables a pleasant, comfortable, working environment.

CENTRALIZED CONTROL POINT

- Multi-port operating valve / Solenoid valve, control for the entire cycle of the operation
- Permits two exhaust speeds, fast & slow
- Easy to read compound gauge for the chamber and pressure gauge for the jacket
- Smooth operation

SAFETY FEATURES

- Self locking safety door cannot be opened while chamber is under pressure
- Gauge glass tube with automatic closing safety valve
- Heat resistant SILICONE door gasket
- Pressure switches (on electric models) economize power consumption
- Low water protection system, to protect the electric heaters
- Temperature gauge/ Digital temp. Indicators / controllers (optional)
- Vacuum breaker / dryer
- Safety valve for the Jacket / boiler
- Hydraulically test to 2.5 times the designed working pressure

